From qrp-l@lehigh.edu Sat Sep 2 19:46:00 1995
From: KG7PV@aol.com
Subject: [3000] 30 meter VFO
Message-ID: <950902004544_9204907@mail06.mail.aol.com>

I found a VFO kit that I'd forgotten about today - threw it together and works great (even has a RIT) and seems stable. Tunes 6.750 - 10.900 or so with the slug tuned coil in the osc circuit. I've not built VFO's above 40 meters for use with a dc receiver but am thinking about using this as the basis for a 30 meter transceiver. Anyone have experience running a VFO at 10.100 or should I set it up lower and run as a hetrodyne circuit???
73 de Steve KG7PV
PS - kit was from C.M. Howes

From qrp-l@lehigh.edu Sat Sep 2 19:46:00 1995
From: Rich Mulvey <mulveyr@vivanet.com>
Subject: [2999] ARCI membership info?
Message-ID: <199509020313.XAA06345@n2vds.ampr.org>

Hi:

   I realize that this has probably been asked before, but can anyone provide me with the information I need to become a member of ARCI?

Thanks!
   - Rich

From qrp-l@lehigh.edu Sat Sep 2 19:46:00 1995
From: phil.heaton@wa4bro.atl.ga.us (PHIL HEATON)
Subject: [3002] Audio Filters
Message-ID: <8B04493.01FA000459.uuout@wa4bro.atl.ga.us>

    Hi All,

    Last saturday I was cleaning out the basement, when I came across an old car stereo equalizer that had a blown AF amp, so it was heading to the dump. I got to thinking and wondered how good it would work as a "notch" filter for CW. Well to make a long story short, it works great. I can notch everything but my favorite tone down by 18dB. I couldn't believe the difference on 160m with static crashes. I see these

things go at yard sales for $5 or less. Keep your eyes open
and give one a try.

Phil, KE4KRT, Phil.Heaton@SID.Net

___ Blue Wave/QWK v2.20

From qrp-l@lehigh.edu Sat Sep 2 19:46:00 1995
From: Richard Haynes N5QXF <rhaynes@metronet.com>
Subject: [3015] Help building CMOS III keyer
Message-ID: <Pine.HPP.3.90.950902173343.26137B-100000@fohnix.metronet.com>

I started to put the CMOS III kit together today and I think that I
am missing something in the way of instructions. The little book that
is the TUTORIAL/OPERATION MANUAL is all I have. On page 1 of the tutorial
it assumes that you wired the kit "per the construction article". My
question is What construction article? I didn't find one. Am I missing
something here or is the kit short a few pages?

TNX for the help.

Richard N5QXF (Software guy trying to do hardware .....)

PS: I did see the QST article but their pcb does not match mine. I have
     an extra part or two that they don't.

From qrp-l@lehigh.edu Sat Sep 2 19:46:00 1995
From: N8CQA@aol.com
Subject: [3012] MI-QRP Sprint
Message-ID: <950902155856_89776990@emout04.mail.aol.com>

Dan, etal - Correct. The MI-QRP Labor Day Sprint starts at 2000 EDT thru 2400
EDT
Sunday 9-3-95. Listen around the normal QRP frequencies 1.810, 3.560, 7.040,
14.060,
21.060, 28.060. Call CQ MI test or whatever you wish. Participation is the
goal!! The exchange should be RST QTH(State) and either your MI-QRP Club
membership number or your power output. Mine would be 599 MI #88. If you need
any more info let me know. See you Sunday!
72/73 Buck N8CQA

From qrp-l@lehigh.edu Sat Sep 2 19:46:00 1995
From: N8CQA@aol.com
Subject: [3016] MI-QRP Sprint
Message-ID: <950902184650_89859017@mail04.mail.aol.com>

Sorry - I forgot the Novice frequencies> 3.710, 7.110, 21.110, 28.110. I'll try to hit those frequencies on the hour.
72/73 Buck

From qrp-l@lehigh.edu Sat Sep 2 19:46:00 1995
From: BCdlr@aol.com
Subject: [3008] MI-QRP Sprint questions
Message-ID: <950902114733_9381847@emout04.mail.aol.com>

Really dumb questions, but I'm gonna ask anyway...the MI QRP club Labor Day CW Sprint is this weekend. I'm a little slow, but I think it's 8:00pm est to 12:00 midnight, Sunday, 9/3/95, correct? (for those that can read time, I told you dumb question)
Could someone tell me how you would call CQ, i.e. CQ Contest? If someone could just email me, (or post to the list if you think its useful), a typical QSO, how to respond, etc. I see what it says in the newsletter, and I think its clear, I'm just not so clear! Hey, but I'm learning. I've made over a dozen contacts on 40 meter CW novice band. Which I'm beginning to believe is a feat! (HW-8 for transmit, and Drake R7 for receive, 100' "V" dipole 65' up). TNX in advance for the answers, remember I'm still learning....
Dan Reynolds, bcdlr@aol.com, KB9JLO
MI QRP #M-1439

From qrp-l@lehigh.edu Sat Sep 2 19:46:00 1995
From: K5ERJ@aol.com
Subject: [3013] New Convert
Message-ID: <950902173520_9568699@emout04.mail.aol.com>

OK you guys! You've hooked me, now reel me in!

After reading the QRP-L mail for a week, reading three issues of QRPp and buying a Ramsey HR-40 (which has little audio by the way) I am now wanting some feedback on some QRP kits. My friend, W4RNL, is largly responsible for piquing my interest.

I'm interested in the below $200 units and am strongly considering the Norcal

40A (by Wilderness) and the OHR Spirit II. The S&S Arc 40 sounds interesting, if a 40m xcvr is available. Are there any QRP kits that will operate on 10, my main band of interest?

Question: Is Wilderness shipping yet? If so, what is their address?

Likewise, I would appreciate mailing addresses for OHR and S&S.

By way of background, I am just an ordinary Ham, licensed since 1956 with quite a bit of kit building experience. I just don't have the technical background that puts some of you guys light years ahead of me. I have been inspired to tune in W1AW on a daily basis and get a liberal dose of lotion to help remove some of the rust. The J-38 still works super, but the 850 won't go below 10 w.

Any suggestions welcome.....all mail read.....and some answered.

Tnx
72 (did we lose one)
Ed K5ERJ K5ERJ@aol.com

From qrp-l@lehigh.edu Sat Sep 2 19:46:00 1995
From: wa5whn@ix.netcom.com (Jay Miller)
Subject: [3004] QRPp @ 902 MHz
Message-ID: <199509021435.HAA09364@ix3.ix.netcom.com>

Dear Fellow QRP enthusists,
  Please, do not call this Company all at once, they have very limited resources and could not respond to a group as large as ours.
  I had the pleasure of meeting Mr. Steve Wulchin & Mr. Jonathan Sawyer of Free Wave Wireless Data Solutions. Jonathan had designed (NE604's, MC68H11's, etc..) a 902 MHz 200 millwatt spread spectrum Xcvr, that will hook up to a ASync Port @ 115 Kbaud (Yes, You did read that correct, 115 Kbaud). Certain PCs can not handle that, but You can still hook up @ the 14.4 Kbaud Async serial port. The old neurons started firing, with an occasional misfire. There is enough software out there to digitize voice, and essentially make this a spread spectrum xcvr, voice over data. There is NO License required because of the power limits, however, Jonathan had designed a 5 watt brick for it. (For Use in the US Government market segment-which You would need a license.). When one xcvr uses another, as a repeater, the available bandwidth drops by 50%. Cost, per xcvr, quanity one, is slightly less than $1K. I do not have any financial interests in this Company. I was impressed.

He has 15 frequency hopping patterns stored in the xcvr, which can be changed, via the firmware. I can see it now; Which frequency hopping pattern are You using ?(902 MHz, #14).
  OK, here is how to contact them, please, not all at once.

    FreeWave Wireless Data Solutions
    1898 Flatiron Court
    Suite 2B
    Boulder, Colorado 80301

    Phone: 303-444-3862 (Voice)
           303-786-9948 (FAX)

                                72...Jay, WA5WHN

From qrp-l@lehigh.edu Sat Sep 2 19:46:00 1995
From: Chris Budd <Chris.Budd@src.bae.co.uk>
Subject: [3006] The MedFER band and class E.
Message-ID: <9509011339.AA02640@sun37.src.bae.co.uk>

Hi,

I am a new subscriber to the list and just getting used to some of the terms and abbreviations. QRP has not generally been my thing in the past, but I'm learning a lot and begining to catch the bug. My main ham activity in recent years has been teaching a course for the UK Radio Amateur's Examination, and that hasn't generally left much time for operating.

I was especially interested in Stan (AK0B)'s recent mailing on the MedFER band and in his suggestion that the output stage of a suitable transmitter should run either class D or class E. So far as I know, there is no corresponding band available to UK hams; but I would be happy to hear otherwise.

One question: I know what class D is, but what is class E?

Best 73s,

Chris, G0LOJ.

From qrp-l@lehigh.edu Sat Sep 2 19:46:00 1995

From: Allen Jones <ajones@niia.net>
Subject: [3010] Re: 2SC799's GONE!!!
Message-ID: <199509021826.NAA01476@silver.niia.net>

<snip>

>If you missed this one, you messed up. He was selling 2SC799 transistors
>plus a heatsink at 10 for $10. These are the final transistor in many of
>the QRP designs, and are very hard to find.
>72, Doug, KI6DS
>
Those that missed out can still get the 2SC799's from Tejas and 624 Kits.

72/72 de Allen, K9DZE

From qrp-l@lehigh.edu Sat Sep 2 19:46:00 1995
From: Pierre VINET <Pierre_Vinet@UQAR.UQuebec.CA>
Subject: [2998] Re: Antenna Wire
Message-ID: <Pine.3.03.9509011931.A23795-c100000@hp9ri.UQAR.UQUEBEC.CA>

Hi Paulette,

Why don't you go to any library and make a photocopy of "Some Practical
Antenna Considerations" by Doug DeMaw, January 1984 issue of QST, pp.30-34.
He answer to the question "What Kind of Wire is Best?" and discuss deeply
about matter of insulation, conductor material, insulators, which antenna
suit best DX and Local QSOs. The article ends up on some easy built
antennas (top-loaded vertical, inverted-L, ground plane vertical, a
ground dipole and a quad loop) with a discussion on ground system.
To sum up, I quote some DeMaw's main advices:
1-"If I were to offer a rule of thumb I'd say something like:'Use whatever
you can round up quickly and inexpensively'";
2-"The insulation does not impair the radiation properties of the antenna";
3-"If I were to ignore cost and handling convenience, and had to give but
one answer, I would specify Copperweld (R) wire (steel center wire with
an outer layer of copper) ... most amateurs choose #16 gauge ... but #18
is also quite strong ...";
4-"Although iron and steel are not as effective a conductor at radio
frequencies as are aluminium or copper, it isn't so poor that we should
ignore it";
5-"Aluminium wire is highly satisfactory for antennas but encounter 2
problems: (1) difficulty making a good electrical joint and (2)
crystalization of the wire with stress and time, which causes breakage";
6-"The larger the conductor, the better the conductivity as the operating

frequency is raised ... but the smaller the wire diameter for a given
frequency the higher Q (better quality factor) of the system";
7-"Prefer good conductors to less effective ones in order to (1) reduce losses
.. and (2) use the smallest wire diameter";
8-"If we don't consider the fragility of very small wire, we might say
that even #28 gauge bare wire can be used ... with a kilowatt rig ...
providing open air cooling of the wire ..."
9-"Stranded or plain solid wire do the same ... but soft-drawn copper does
stretch under stress ... although wire with vinyl jacketing is less likely
to change dimension from weight, wind and icing stress"

73 de Pierre VINET,
<pierre_vinet@hp9ri.uqar.uquebec.ca>
Universite du Quebec a Rimouski, boite postale 272, Rimouski, QUEBEC, G5L 7C1

From qrp-l@lehigh.edu Sat Sep 2 19:46:00 1995
From: N8CQA@aol.com
Subject: [3011] Re: ARCI membership info?
Message-ID: <950902160252_89776933@mail04.mail.aol.com>

Rich - Dues are $12.00 first year ($10.00 renewal). Send to Mike Bryce
WB8VGE,
2225 Mayflower NW, Massillon, OH 44647. The October QQ (newsletter) should be
out in October. Thanks for asking.
72/73 Buck N8CQA

From qrp-l@lehigh.edu Sat Sep 2 19:46:00 1995
From: KG7PV@aol.com
Subject: [3005] Re: Audio Filters
Message-ID: <950902105135_89626125@mail02.mail.aol.com>

There was an article a while back on using just such an equalizer with a W9GR
DSP (QST I think). By running the audio from the rig thru the left channel
then thru the DSP and then back thru the right channel (or vice versa) a big
difference was noted in quality of audio and as I recall the effectiveness of

the DSP. The author had a very specific way to set the equalizer and wanted at least a 7 band unit. Havent tried it yet but I do know that running the audio thru a 4 pole op/amp filter I made (the one in the QRP Notebook, purchased from 624 kits) really cleans up the hiss and junk left in the audio from the DSP.
73 Steve
KG7PV

From qrp-l@lehigh.edu Sat Sep 2 19:46:00 1995
From: w9sz@prairienet.org (Zack Widup)
Subject: [3001] Re: coins as electrodes
Message-ID: <9509020614.AA07688@prairienet.org>

>
>OK, Guys, here I am still in the office at 4:15pm while everybody else in the
>City of New York has gone home for the Labor Day Weekend. The question arose
>whether it is a crime to deface coins as in using them for electrodes. OK,
>here's the answer (and yes, I am a lawyer):
>See 18 USC sec 331, 332--They say that unless you are lessening the weight of
>a coin to decrease its silver or gold value (sure, like we have silver in our
>coins now!) for FRAUDULENT purposes, it is not a crime. But you can't mess
>up Federal Reserve Notes (folding money) even if you don't intend to fool
>anybody.   There, now you can go make homebrew batteries without the Treasury
>Department kicking in your shack door with a search warrant. Like they care.
> Have a good weekend, all.
>Preston WJ2V
>
>
>
My batteries made with dollar bills as electrolyte absorbers never did work worth a darn, anyway!   :-)

All seriousness aside, has anyone ever actually tried the batteries made from potatoes, lemons, etc? I don't imagine they last very long, but could maybe power a microwatt station. Work a mile and get a million miles per watt!

I got about 25 AA NiCad's at a hamfest a while ago for $1 apiece. They work fine, so I think it was a good deal! "Assembled in Mexico" ... must be NAFTA...

72/73, Zack W9SZ

From qrp-l@lehigh.edu Sat Sep 2 19:46:00 1995
From: Craig LaBarge <74740.3166@compuserve.com>
Subject: [3007] Re: Michigan Mighty Mite
Message-ID: <950902153430_74740.3166_EHB129-1@CompuServe.COM>

> Someone recently posted a message asking for information on the so-called
> Michigan Mighty Mite circuit. Well, last night, I was leafing through
> Dave Ingram's Getting Started in QRP and there it was. So that's where
> the information can be found. If the person who was looking for the
> information hasn't been helped out yet, please e-mail me and I'll send or
> fax you a copy of the schematic. And if you don't have Ingram's book, you
> might want to find a copy. It's what got me real interested in QRP to
> begin with. I haven't looked back yet.
>
> 73 David N2SMH
> Glen Rock NJ

The circuit that has come to be known as the "Michigan Mighty Mite" goes back quite a way back. I first came across it in Ed Noll's classic book "Solid State QRP Projects." It was called "The All-Band Two-Watter" in Noll's book. I built one back in 1976 (when I was WN3YSV) as my first venture into QRP. It worked the first time (not too much can go wrong with such a simple circuit) and I made a few QSOs with it before I recycled the parts into another project.

I've been intending to build another one for old time's sake, but just haven't gotten around to it. Maybe over the long weekend...   :-)

By the way, I think Ed Noll's book is still available through MFJ. It's probably a bit dated, though.

73, Craig WB3GCK

From qrp-l@lehigh.edu Sat Sep 2 19:46:00 1995
From: "Charles A. Rubenstein" <rubenc@iglou.com>
Subject: [3014] Re: New Convert
Message-ID: <Pine.SOL.3.91.950902175541.15637B-100000@iglou2>

By ALL MEANS, if this is your first kit, try the Wilderness NC40A.
Except for builder error (ie. STUPID ME) it was easy build. And it works great. Only rig in the shack right now.

Charlie Rubenstein
KB8BWE@N8LHG.#CIN.OH.USA.NA
rubenc@iglou.com

From qrp-l@lehigh.edu Sat Sep 2 19:46:00 1995
From: AE4KN@aol.com
Subject: [3009] Re: University Surplus Sales
Message-ID: <950902142141_89730976@emout04.mail.aol.com>

I found out about the Navy surplus from a friend who works there. They don't usually let civilians in, but he took us as guests. If your interisted, it's at Patuxent Naval Air Station in Virginia.

73/72 de AE4KN

From qrp-l@lehigh.edu Sat Sep 2 19:46:00 1995
From: n2elw@ix.netcom.com (Larry Makoski)
Subject: [3003] Re: Which Iambic Key?
Message-ID: <199509021248.FAA09644@ix9.ix.netcom.com>

You wrote:
>
>I have been using a Speed-X straight key for 3 years and want to
switch to paddles. I tried the Jones and Bencher but not the Vibroplex
>or the MFJ (Bencher Unit?). Is there much difference in these units? I
>am too inexperienced to tell. What seems to be the preference of the
>QRP-L crowd? I will be using the paddles with a CMOS III Superkeyer >
kit for both home and portable use.
>
>Any suggestions will be appreciated. Thanks.
>
>72, Mark N2VPK
>

Mark,

Personally, I have been using the Vibroplex Brass Racer for years now.
I enjoy the two I have and would have a hard time changing to anything
else! I am able to adjust the spacing to just how I like it and I
really like their smoothe action and feel.
I bought a Kent key at Dayton '94; and it's okay......but just okay, as
far as I'm concerned. I think it boils down to a matter of finding
something you like and staying with it. Then, Company XYZ could come
out with the "World's Finest Paddle"; but you're going to like whatever

you've become accustomed to better!

73 de Larry N2ELW
n2elw@ix.netcom.com